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Atty. Docket: 2002941-0053

In re Application No. 09/289,321

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DISCLOSURE STATEMENT

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Applicant: Bachovchin

Filing Date: April 9, 1999 Group:

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# U. S. PATENT DOCUMENTS

				TECH (	CENTER 160	/2900
U.S. Patent No.	Applicant	/	Issue Date	Class	Subclass	
* 4,318,904	Shaw et al.		March 9, 1982	424	177	
					U.S. Patent No. Applicant Issue Date Class	U.S. Fatch 140. Applicant

Examiner's	U.S. 1 atent 110.	Applicant	Vissue Dute		
<b>Initials</b>		/	1 1 0 1000	124	177
	* 4,318,904	Shaw et al.	March 9, 1982	424	
	* 4,443,609	Oude Alink et al.	April 17, 1984	548	111
	* 4,499,082	Shenvi et al.	February 12, 1985	514	2
	* 4,582,821	Kettner et al.	April 15, 1986	514	18
	* 4,636,492	Kettner et al.	January 13, 1987	514	18
	* 4,644,055	Kettner et al.	February 17, 1987	530	330
· · · · · · · · · · · · · · · · · · ·	* 4,652,552	Kettner et al.	March 24, 1987	514	18
	* 4,935,493	Bachovchin et al.	June 19, 1990	530	331
	* 4,963,655	Kinder et al.	October 16, 1990	530	331
	* 5,093,477/	Mölling et al.	March 3, 1992	530	328
	* 5,187,157	Kettner et al.	February 16, 1993	514	18
	* 5,215,926	Etchells, III et al.	June 1, 1993	436	501
*	* 5,242,904	Kettner et al.	September 7, 1993	514	18
	*,5,250,720	Kettner et al.	October 5, 1993	558	288
	<b>*</b> 5,288,707	Metternich	February 22, 1994	514	19
	* 5,296,604	Hanko et al.	March 22, 1994	546	169
	* 5,329,028	Ashkenazi et al.	July 12, 1994	548	548
	* 5,378,624	Berenson et al.	January 3, 1995	435	239
	* 5,384,410	Kettner et al.	January 24, 1995	548	405
4	* 5,444,049	de Nanteuil et al.	August 22, 1995	514	18
	* 5,462,928	Bachovchin et al.	October 31, 1995	514	19

100	Till 13 atent and	rtment of Commerce Trademark Office	Atty. Docket: 2002941-0053	In re App 09/289,32	lication No.
	RMATION URL STATEMENT		Applicant: Bachovchi	in	
(Use sever	ral sheets if necessary)		Filing Date: April 9, 1999	Group: 1653	
	* 5,506,130	Peterson et al.	April 9, 1996/	435	240.1
	* 5,527,923	Klinger et al.	June 18, 1996	548	570
	* 5,543,396	Powers et al.	August 6, 1996	514	19
	* 5,554,728	Basava et al.	September 10, 1996	530	327
	* 5,635,386	Palsson et al.	June 3, 1997	435	372
	* 5,635,387	Fei et al.	June 3, 1997	435	378
	* 5,646,043	Emerson et al.	July 8, 1997	435	373

# FOREIGN PATENT DOCUMENTS

Examiner's Initials	Document No.	Country	Date	Trans	lation
	·			Yes	No
	DD158109	Germany	29 December 1982		X
	DD270382A1	Germany	26 July 1989		X
	DD296075A5	Germany	21 November 1991		X
	EP 0356223A2	Europe	28 February 1990	X	
	EP 0371467A2	Europe	6 June 1990		X
	* EP 0420913B1	Europe	15 November 1995		
	* EP 0471651A2	Europe	19 February 1992		
	EP 0481311A2	Europe	22 April 1992		X
	EP 0615978A1	Europe	21 September 1994		X
	EP 0688788A1	Europe	27 December 1995		X
	* WO 89/03223	PCT	20 April 1989		
	* WO 91/16339	PCT	31 October 1991		
	* WO 91/17767	PCT	28 November 1991		

	rtment of Commerce Trademark Office	Atty. Docket: 2002941-0053	In re Application No. 09/289,321
INFORMATION DISCLOSURE STATEMENT	FEB 13 MAR ST	Applicant: Bachovchii	1
(Use several sheets if necessary)	PROPERTY & TRADE	Filing Date: April 9, 1999	Group: 1653
* WO 92/12140	PCT	23 July 1992	
* WO 92/17490	PCT	15 October 1992	
* WO 93/02057	PCT	4 February 1993	
* WQ 93/05011	PCT	18 March 1993	
* WO 93,08259	PCT	29 April 1993	
* WO 93/10127	PCT	27 May 1993	
* WO 93/16102	PCT	19 August 1993	
* WO 94/03055	RCT /	17 February 1994	
* WO 94/09132	PCT	28 April 1994	
* WO 94/20526	PCT	15 September 1994	
* WO 94/25873	PCT	10 November 1994	
* WO 94/28915	PCT	22 December 1994	
* WO 94/29335	PCT	22 December 1994	
* WO95/11689	PCT	4 May 1995	
WO95/15309	PCT	6 June 1995	X
* WO 95/15309	PCT	8 June 1995	
* WO 95/12618	PCT	11 May 1995	
* WO 95/29190	PCT	2 November 1995	
* WO 95/29 <b>6</b> 91	PCT	9 November 1995	
* WO 95/34538	PCT	21 December 1995	
* WO 96/40858	PCT	19 December 1996	
* WO 96/40263	PCT	19 December 1996	
WO 98/00439	PCT	8 January 1998	X
WO 98/50046	PCT	12 November 1998	X
WO 98/50066	PCT	12 November 1998	X

In re Application No. U.S. Department of Commerce Atty. Docket: Form PTO-1449 09/289,321 2002941-0053 Patent and Trademark Office (REV. 8-83) **INFORMATION** Applicant: Bachovchin DISCLOSURE STATEMENT FEB 13 2002 Group: Filing Date: 1653 ECEIVED

X FEB 2 0 2002 (Use several sheets if necessar) April 9, 1999 8 April 1999 WO 99/16864 **PCT** TECH CENTER 1600 2900 OTHER DOCUMENTS Examiner's (Including Author, Title, Date, Pertinent Pages, Etg. Initials Aguila, H.L., et al., From Stem Cells To Lymphocytes: Biology and Transplantation", Immun. Rev., 157:13-4Q, (1997) Ansorge, et al., "CD26/Dipeptidyl Peptidase IV in Lymphocyte Growth Regulation", 127-140. \* Austin, D.J., et al., "Proximity Versus Allostery; The Role of Regulated Protein Dimerization in Biology", Chemistry & Biology, 1:131-136, (1994) \* Bachovchin, W.W., et al., "Inhibition Of IGA 1 Proteinases From Neisseria Gonorrhoeae And Hemophilus Influenzae By Peptrele Prolyl Boronic Acids", J. Biol. Chem., 265:3738-3743 (1990). \* Bailey, P.D., "An Introduction To Peptide Chemistry", Wiley Publishers, 1-81, (1990) \* Barton, R.W.J., et al., "Binding Of The T Cell Activation Monocional Antibody Tal To Dipeptidyl Peptidase IV", J. Leukocyte Biology, 48:291-296 (1990). Baugh, R., et al., "Role and Potential Therapeutic Value of Proteinase Inhibitors in Tissue Destruction", Proteinases and Tumor Invation, 165:157-180 (1980). \* Blumenstein, et al., "Synthetic Non-Peptide Inhibitors of HIV Protease" Biochemical and Biophysical Research Communications 163(2): 980-87, 1989. \* Bodanszky, M., "Principles Of Peptide Synthesis", Springer-Verlag, 16: (1984) \* Bodanszky, M., "The Practice Of Peptide Synthesis", Springer-Verlag, 21: (1984) \* Bodanzky, M./ "Peptide Chemistry, A Practical Textbook", Springer-Verlag, (1988) 1-9. \* Boros, L.G., et al., "Fluoroolefin Peptide Isosteres-Tools For Controlling Peptide Conformations", Tetrahedron Letters, 35:6033-6036., (1994) \* Brady, L., and Dodson, G., "Reflections On A Peptide", Nature, 368:692-693, (1994) \* Brander let al., "Heterogeneous T Cell Responses to B-Lactam-Modified Self-Structures Are Observed in Penicillin-Allergic Individuals" J. Immunol. 155 (5):2670-2678 (1995). \* Brenchley, et al., "Towards Defining Antigens in Human Membranous Nephropathy" Nephrology, Dialysis, Transplantation 7 Supp. 1: 21-24, (1992). Bristol, L.A., et al., "Characterization Of A Novel Rat Thymocyte Costimulating Antigen By The Monoclonal Antibody 1.3", J. Immunol., 148:332-338 (1992). \* Bristol, L.A., et al., "Thymocyte Costimulating Antigen is CD26 (Dipeptidyl-Peptidase IV), Co-stimulation Of Granulocyte, Macrophage, T Lineage Cell Proliferation Via CD26," J. Immunol., 149:367-372 (1992). Bristol, et al., "Inhibition of CD26 Enzyme Activity with Pro-boropro Stimulates Rat Granulocyte/Macrophage Colony Formation and Thymocyte Proliferation In Vitro", Blood, 85(12): 3602-3609, 1995.

In re Application No. Atty. Docket: U.S. Department of Commerce Form PTO-1449 FEB 2 0 2002
GroupH CENTER 1600/2900 09/289,321 Patent and Trademark Office 2002941-0053 (REV. 8-83) **INFORMATION** Applicant: Bachovchin DISCLOSURE STATEMENT Filing Date: (Use several sheets if necessary April 9, 1999 \* Bungy, et al., Mapping of F cell Epitopes of the Major Fraction of Rye Grass Using Peripheral Blood Mononuclear Cells From Atopics and Non-Atopics. II. Isoallergen Clone 5A of Lolium Perenne Group I (Lol p I). Eur/J. Immunol. 24 (9):2098-2103 (1994). \* Chan, et al., "Archives of Ophthalmology 113 (5):597-600 (1995). \* Chazenblak, et al., "Human Organ-Specific Autoimmune Disease", Molecular Cloning and Expression of an Autoantibody Gene Repertoire For a Major Autoantigen Reveals an Antigenic Immunodominant Region and Restricted Immunoglobulin Gene Usage in the Target Organ, J. Clinical Investigation 92 (1):62-74 (1993). \* Colowick, S., et al., "Methods In Enzymology", Pp. 220-225. \* Cordes, E., et al., "Transition States For Hydrolysis Of Acetals, Ketals Glycosides, And Glycosylamines", Chapter 11, Pp. 429-465 \* Coutts, et al., "Structure-Activity Relationships of Boronic Acid Inhibitors of Dipeptidyl Peptidase IV. 1. Variation of the P<sub>2</sub> Position of X<sub>aa</sub> -boroPro Dipeptides", J. Med. Chem., 39: 2087-94, 1996. \* Dang, N.H., et al., "Cell Surface Modulation of CD26 By Anti-1F7 Monocional Antibody: Analysis Of Surface Expression And Human T Cell Activation", J. Immunol., 145:3963-3971 (1990).\* Darcy, et al., "Protection of Mice and Nude Rats Against Toxolasmosis by A Multiple Antigenic Peptide Construction Derived From Toxoplasma Gondii P30 Antigen", J. Immunol. **149** (11):3636-3641 (1992). \* Darmoul, D/, et al. "Dipeptidyl Peptidase IV (CD26) Gene Expression in Enterocyte-like Colon Cancer Cell Lines HT-29 And Caco-2; Cloning Of The Complete Human Coding Sequence And Changes of Dipeptidyl Peptidase IV mRNA Levels During Cell Differentiation," J. Biological Chemistry, 267:220-2208 (1992). \* Daw, et al., "Glutamic Acid Decarboxylase Autoantibodies in Stiff-Man Syndrome and Insulin-Dependent Diabetes Mellitus Exhibit Similarities and Differences in Epitope Recognition", J. Immunol. 156 (2): 818-825 (1996). \* De Caestecker, M.P., et al., "The Detection Of Intercytoplasmic Interleukin 1 (Alpha) Expression In Human Monocytes Using Two Colour Immunofluorescence Flow Cytometry", J. Immunol. Methods 154:11-20 (1992). \* Demuth, H.U., et al. "Design Of (Omega-N-(O-Acyl)Hydroxy Amid) Aminodicarboxylic Acid Pyrrolidides As Potent Inhibitors Of Proline-Specific Peptidases", FEBS Lett., 320:23-27, (1993) \* Dudler, et al., "Carbohydrate-Dependent, HLA Class II-Restricted, Human T Cell Response to the Bee Venom Allergen Phospholipase A2 in Allergic Patients", Eur. J. Immunol. 25 (2):538-542 (1995). \* Duke-Cohan, J.S., et al., "Targeting Of An Activated T-Cell Subset Using A Bispecific Antibody-Toxin Conjugated Directed Against CD4 AND CD26", Blood, 82:2224-2234.,

(1993).

U.S. Department of Commerce Patent and Trademark Office

Atty. Docket: 2002941-0053 In re Application No. 09/289,321

#### **INFORMATION** DISCLOSURE STATEMENT



Applicant: Bachovchip

(Use seve)	ral sheets if necessary)	LED ,	Filing Date:	Group:	
(000 00.0.	2.10010 y	Par Marie	April 9, 1999	1653	
	\	PATENT & TRADEMA	L/		
			tem Cell Transplantation	: A Brief Review Of	
	Its History", Immun. R		/		
	* Ebenbichler, C., et al	I., "Structure-function Re	elationships Of The HIV	-1 Envelope V3 Loop	
	Tropism Determinant: Evidence For Two Distinct Conformations", Aids 7:639-46 (1993).				
			nd L-Type Calcium Cha		
			try, 64 (4): 1696-1702 (1		
			Virus: Infectivity And I	Mechanisms Of	
	Pathogenesis", Science	e, <b>239</b> :617:722 (1988)			
			Γ Lymphocytes and NK		
	• -	- /	he T Cell Receptor/CD3	Complex", J.	
	Immuno,,. 141:1103-1		<u> </u>	D TO D 3/4 4	
			Aminopeptidase IV (D		
	Boropro Dipetides And	d Use Of These Inhibitor	rs To Examine The Role	Of DP-IV IN I-Cell	
		Acad. Sqi. USA, 88:155			
			Adrenal Antigens in Auto	oimmune Addison's	
			y 88 (2): 275-279 (1992)	' . ' . D . 4' 4	
	Goodman, et al., "Cell	ular/Immunity to Cartila	ge Aggrecan Core Protei	in in Patients with	
		and Non-Arthritic Contro	ols", Annals of the Rheun	natic Diseases, 55: 40-	
	46, 1996.	Yhanna M. "On The Con	ncept Of Linear Modified	1 Detro Pentide	
	,	of Chemical Research, 1	_	1 Keno-repude	
			age Aggrecan Core Prote	ein in Patients with	
			ols"Annals Of The Rheur		
	55(1):40-46 (1996).	and Non-Adminic Condo	ons Annais Of The Rican	nanc Discuses	
		Partially Modified Retro	o-Inverso Pseudopeptides	s As Non-Natural	
			bility Molecule HLA-A2		
	<b>39</b> :2030-2039 (1996)	uii Olass I IIIstocompani	Jilley 1120100 wile 12221 1 1 2	, 0, 1,20,11	
		"Solution Structures Of	The DP IV (CD26) Inhi	bitor Val-BoroPro	
			c Resonance in Chem., 3		
			L-Boropro Into Its Com		
			Dipeptidyl Peptidase IV.		
			on", Biochemistry, 32:87		
			Herpetiformis", Seminar		
	10(3):240-245 (1991).	<del>-</del>	<u>-</u>		
			tic Peptide Immunogens	for Prevention of HIV-	
			ceutical Biotechnology 6		
			026 (Dipeptidylpeptidase		
			obiology, 189:483-493,		
			otidase IV (CD26, TP103		
i .	TT - TO C-11-11 C-11	T	(1002)	İ	

Human T Cells", Cell Immunol., 146:249-260, (1993)

U.S. Department of Commerce Patent and Trademark Office

Atty. Docket: 2002941-0053 In re Application No. 09/289,321

#### **INFORMATION** DISCLOSURE STATEMENT

(Use several sheets if necessary)



Applicant: Bachovchin

Filing Date:

(USE	e several sheets if necessary)  April 9, 1999  1653  April 9, 1999
	* Hegen, M., et al., "The T Cell Triggering Molecule Tp 103, J. Immunol., 144:2980-2914 (1990).
	* Heins, J., et al., "Mechanism of Proline-Specific Proteinases: (I) Substrate Specificity of
	Dipeptidyl Peptidase Peptidase IV From Pig Kidney and Proline-Specific Endopeptidase
	From Flavobacterium Meningosepticum", Biochemica Biophysica Acta, 954:161-169 (1988).
	* Ikagawa, et al., "Single Amino and Acid Substitutions on a Japanese Cedar Pollen Allergen
	Cry J-1) Derived Peptide Induced Alterations in Human T Cell Responses and T Cell
	Receptor Antagonism" J. Allergy & Clinical Immunol. 97 (1 Pt 1): 53-64 (1996).
	* James, et al., "Peptide Autoantigenicty of the Small Nuclear Ribonucleoprotein C" Clinical
	& Experimental Rheumatology, 13 (3):299-305 (1995).
	* Jameson, B.A., et al., "A Rationally Designed CD4 Analogue Inhibits Experimental Allergic
	Encephalomyelitis", Nature, 368:744-746, (1994).
	* Janeway, C., et al., "Immunobiology - The Immune System In Health And Disease",
	* Jardetzky, T.S., et al., "Three-Dimensional Structure Of A HumanClass II
	Histocompatibility Molecule Complexed With Superantigen, Nature, 368:711-718 (1994)
	* Jiang, et al., "Inhibition of Human Immunodeficiency Virus Type I Infection in a T-Cell
	Line (CEM) by New Dipeptidyl-Peptidase IV (CD26) Inhibitors", Res Viral, 148: 255-266,
	1997.
	* Jorgensen, J.L., et al., "Molecular Components Of T-Cell Recognition," Annu. Rev.
	Immunol. 10:835-873 (1992).
	* Kalluri, et al., "Indentification of the Alpha 3 Chain of Type IV Collagen as the Common
	Autoantigen in Antibasement Membrane Disease and Goodpasture Syndrome", J. The
	American Society Of Nephrology 6 (4):1178-1185 (1995).
	* Kameoka, J., et al., "Direct Association Of Adenosine Deaminase With A T Cell Activation
	Antigen, CD26 <sup>1</sup> , Science, <b>26</b> 1:466-469, (1993)
	* Kameoka, Jr, et al., "Differential CD26-Mediated Activation Of The CD3 AND CD2
	Pathways After CD6-Depleted Allogeneic Bone Marrow Transplantation", Blood 85:1132-
	1137, (1995)
	* Karges, et al., "Self and Non-Self Antigen in Diabetic Autoimmunity: Molecules and
	Mechanisms", Molecular Aspects Of Medicine 16(2):29-213 (1995).
	* Kelly, T.A., et al., "Immunosuppressive Boronic Acid Dipeptides: Correlation Between Conformation And Activity", J. Am. Chem. Soc., 115:12637-12638, (1993)
	* Kelly, T.A., et al., "The Efficient Synthesis And Simple Resolution Of A Proline Boronate
	Ester Suitable For Enzyme Inhibition Studies", <i>Tetrahedron</i> <b>49</b> :1009-1016 (1993).
	* Kettner, C.A. and Shenvi, A.B., "Peptide Boronic Acid Inhibitors Of Trypsin-Like Proteases
	Their Preparation And Use As Anticoagulants And Inflammation Inhibitors", Chemical
	Abstracts, (1990), 112:80 (91790c).
	* Kettner, C.A., et al., "Kinetic Properties Of The Binding Of Alpha-Lytic Protease To
	Peptide Boronic Acids", <i>Biochemistry</i> , 27:7682-7688, (1988).

U.S. Department of Commerce Patent and Trademark Office

Atty. Docket: 2002941-0053

In re Application No. 09/289,321

# INFORMATION DISCLOSURE STATEMENT

1990.



Applicant: Bachovchin

Filing Date:

Group:

	(Use several sheets if necessary)  * Kinder, D., et al., "Analogues of Carbamy Aspartate as Inhibitors" J. Med. Chem.,
	(Use several sheets if necessary) April 9, 1999 1653
	ENTATE OF TRANSPORT OF THE MEDICAL CHEM.
	33:819-823 (1990).
	* Kokowa, et al., "Detection of Platelet Antigen for Antiplatelet Antibodies in Idiopathic
	* Kokowa, et al., "Detection of Flatchy Findingen For Land Hematology 50 (2): 74-80 (1993)
	Thrombocytopenic Purpura by Flow Cytolifically, Flat Hematology 50 (2): 74-80 (1993)  Immunoblotting: A Comparative Study", Eur. J. Hematology 50 (2): 74-80 (1993)  * Kubota, T., et al., "Diipepidyl peptidase IV (DP IV) Activity In Serum and On  * Kubota, T., et al., "Diipepidyl peptidase IV (DP IV) Disease Onset", Clin. Exp.
	* Kubota, T., et al., "Dupepidyl pepidase IV (DI IV) Realist Lymymphocytes Of Mrl/Mp-Ipp/lpr Mice Correlates With Disease Onset", Clin. Exp.
	Lymymphocytes Of Mri/Mp-Ip//Ip/ White Contention with a second 200 (100M)
	* Kubota, T., et al., "Involvement Of Dipeptidyl Peptidase IV In An In Vivo Immune
	Response", Clin. Exp. Immunol., 89:192-197, (1992).  * Kuchroo, V.K., et al., "A Single TCR Antagonist Peptide Inhibits Experimental Allergic  * Kuchroo, V.K., et al., "A Diverse T Cell Repertoire", I. Immunol. 153:3326-3336
	* Kuchroo, V.K., et al., "A Single TCR Antagonist repute minoria Experimental Exper
	Encephalomyelitis Mediated By A British 1
	(1994).  * Kuchroo, V.K., et al., "Cytokines And Adhesion Molecules Contribute To The Ability of Kuchroo, V.K., et al., "Cytokines And Adhesion Molecules Contribute To The Ability of Mediate Experimental Allergic
	Described Protectional Protein-Specific I Cell Clones To Modifice Emperation
	* Kuchroo, V.K. et al., "Experimental Allergic Encephalomyelitis Medicated By Cloned T  * Kuchroo, V.K. et al., "Experimental Allergic Encephalomyelitis Medicated By Cloned T
	I a 11. Consider Eds. A Symthetic Pentide of Myychai I follothid I follows
	* Kuchroo, V/K., et al., "Induction of Experimental Allergic Encophations," Pathobiology 59:305-312  Proteolipid-Protein-Specific T Cell Clones and Synthetic Peptides", Pathobiology 59:305-312
-	t um c 11 D contact (TCD) Lleage Defermines Discase Susceptionity
	E-main antal Autoimmune Encephalomyellus: Studies will Tell V Both
	* Kuchroo, V.K., et al., "T-cell Receptor Alpha Chain Plays a Critical Role in Antigen-
	* Kuchroo, V.K., et al., "1-cell Receptor Alpha Chain Taly Specific Suppressor Cell Function", Proc. Natl. Acad. Sci. USA 88:8700-8704 (1991).  * Linington, et al., "Cell Adhesion Molecules of the Immunoglobulin Supergene Family as  * Linington, et al., "Cell Adhesion Molecules of the Immunoglobulin Supergene Family as
	* Linington, et al., "Cell Adhesion Molecules of the Infinition Section Section 11 Property of the Infinition Section Section 12 Property of the Infinition Section Section 12 Property of the Infinition 12 Property of t
	Tissue-Specific Autoantigens: Induction of Experimental Third B. Protein-Specific T Cell Lines", Eur. J. Immunol. 22 (7): 1813-1817 (1992).
	- a 1 UECC of Anti on 170 Monocional Antibodica On OD 1200 P
	* Linsley, P.S., et al., "Effects of And-gp 120 Monocional 12110 Process of And-gp 12110 P
	* Liu, et al., "Molecular Mapping of a Pathogenically Relevant BP180 Epitope Associated  * Liu, et al., "Molecular Mapping of a Pathogenically Relevant BP180 Epitope Associated  * Liu, et al., "Molecular Mapping of a Pathogenically Relevant BP180 Epitope Associated
	* Liu, et al., "Molecular Mapping of a Famogenically Role vall 2 with Experimentally Induced Murine Bullous Pemphigoid" J. Immunol. 155 (11): 5449-5454
·	(1995).  * Lopez, et al., "Characterization of SPf(66)n: A Chimeric Molecule Used as a Malaria  * Lopez, et al., "Characterization of SPf(66)n: A Chimeric Molecule Used as a Malaria
	1
<b> </b>	Trivel Dethe conecie" Recent Work () I I III Co I I III I I III Co I I I I I
	Luftig, et al., "Update on Viral Pathogenesis, Recent Work of ASM News, 56(7): 366-368, Illustrates the Paths Being Taken in Viral Pathogenesis Research" ASM News, 56(7): 366-368,
N N	1000

U.S. Department of Commerce Patent and Trademark Office

Atty. Docket: 2002941-0053 In re Application No. 09/289,321

#### **INFORMATION** DISCLOSURE STATEMENT

(Ilea soveral shoots if necessary)



Applicant: Baehovchin

Filing Date:

Group:

	(Use several sheets if necessary)  April 9, 1999  1653
	* Marguett, et al., "cDNA Cloning for Mouse Thymocyte-Activating Molecule", A Multifunctional Ecto-Dipeptidyl Peptidase IV (CD26) Included in a Subgroup of Serine
	Proteases", The Journal of Biological Chemistry, 267(4): 2200-2208, 1992.  * Matteson, D., et al., "Synthesis And Properties Of Pinanediol a-Amido Boronic Esters"
	Organometallics, 3: 1284-1288, (1984).
	* Mittrucker, H.W., et al. "The Cytoplasmic Tail Of The T Cell Receptor Zeta Chain is
<u></u>	Required For Signaling Via CD26", Eur. J. Immunol., 25:295-297. (1995)  * Morimoto, C., et al., 1F7 "A Novel Cell Surface Molecule, Involved in Helper Function Of
	*Morimoto, C., et al., 177 A Novel Cell Surface Molecule, involved in Helper I unetton of CD4 cells". J. Immunol., 143:34030-3439 (1989) and published erratum appears in J.  Immunology 144 (5):2027 (1990).
	* Mosmann, T.R., "Cytokine Patterns During The Progression To Aids", Science, 265:193-194, (1994).
	* Mullins, et al., "Transgenesis in the Rat and Larger Mammals" J. Clinical Investigation 96 (1): 30-37 (1996).
	* Nardelli, et al., "A Chemically Defined Synthetic Vaccine Model for HIV-1", J. Immunol. 148 (3): 914-920 (1992).
	* Nicola, N, et al., "Guidebook To Cytokines And Their Receptors", Sambrook and Tooze  Publication, Pp. 1-257, (1994).
	* O'Brien, et al., "An Immunogenetic Analysis of the T-Cell Recognition of the Major House Dust Mite Allergen Der p2: Identification of High- and Low-Responder HLA-DQ Alleles and Localization of T-Cell Epitopes" Immunology 86 (2):176-182 (1995).
	* Panina-Bordignon, P., et al., "Universally Immunogenic T Cell Epitopes: Promiscuous Binding To Human MHC MHC Class II And Promiscuous Recognition By T Cells", Eur. J. Immunol. 19:2237-2242 (1989).
	* Ostresh, et al., "Generation and Use of Nonsupport-Bound Peptide and Peptidomimetic Combinatorial Libraries", Methods in Enzymology, 267: 220-234, 1996
	* Perry, et al., "Autoreactive T Cell Specificity in Autoimmune Hemolytic Anemia of the NZB Mouse", Eur. J. Immunol. 26(1): 136-141 (1996).
	* Perstorp Biotec Company, "Molecular Biology Catalog", (1994)
	* Powers, C., et al., "Elastase Inhibitors For Treatment Of Emphysema - NHLBI Workshop Summary" US Dept. of Health and Human Services, 1097-1100, (1985).
	* Protti, et al., "Myasthenia Gravis: Recognition of a Human Autoantigen at the Molecular Level" <i>Immunol. Today</i> 14 (7):363-368 (1993).
	Reinhold, D., et al., "Inhibitors of dipeptidyl peptidase IV (DP IV, CD26) induces secretion of transforming growth factor- 1 (TGF- 1) in stimulated mouse splenocytes and thymocytes" <i>Immunology Letters</i> , 58:29-35, (1997).
	* Reynolds, et al., "T and B Epitope Determination and Analysis of Multiple Antigenic Peptides for the Schistosoma Mansoni Experimental Vaccine Triose-Phosphate Isomerase", J.

Immunol.152 (1):193-200 (1994).

U.S. Department of Commerce Patent and Trademark Office

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# INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Bachovchin

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ORIGINALLY FILED

* Rini, J.M., et al., "Crystal Structure Of A Human Immunodeficiency Virus Type 1	
Neutralizing Antibody, 50.1, In Complex With Its V3 Loop Peptide Antigen", Proc. Nati	l.
Acad Sci USA 90:6325-9 (1993).	
* Ritu et al. "Construction of Synthetic Immunogens: Use of T- and B-Cell Epitopes of	CS
and RESA Proteins of Plasmodium Falciparum" Vaccine 10 (11)//61-/65 (1992).	
* Schame S. et al. "Purified And Cell-Bound CD26: Enzymatic Inhibition, Antibody	
Binding Profile, And Expression On T Cells In Relation To Other Surface Markers, Ver	rh.K.
Acad Geneeskd, Belg., <b>56</b> :537-559. (1994)	
Schmitz T., et al., "Potentiation Of The Immune Response In Hiv-1 + Individuals", J. Cl	ın.
Invest., 97:1545-1549, (1996).	
* Schon, E., et al., "Dipeptidyl Peptidase IV in Human T Lymphoctyes. An Approach T	o ine
Role Of A Membrane Peptidase In The Immune System", Biomedica Biochimica Acta,	
45:1523-1528 (1986).	
* Schon, E., et al., "Dipeptidal Peptidase IV In The Immune System", Biol. Chem. Hopp	ie-
Seyler, 372:305-311, (1991).	
* Schön, E., et al., "Dipeptidyl Peptidase IV In The Immune System. Effects of Specific	; iman
Enzyme Inhibitors On The Activity Of Dipeptidyl Peptidase IV And Proliferation Of Hu	IIIIaII
Lymphocytes", Biological Chemistry Hoppe Seyler 372:305-311 (1991).	
* Schon, E., et al., "The Dipeptidyl Peptidase IV, A Membrane Enzyme Involved In The	5
Proliferation Lymphocytes", Biomedica Biochimica Acta, 44 (1985).	
* Schön, E., et al., "The Role Of Dipeptidyl Peptidase IV In Human T Lymphocyte	hocyte
Activation. Inhibitors And Antibodies Against Dipeptidyl Peptidase IV Suppress Lymp Proliferation And Immunoglobulin Synthesis In Vitro", Eur. J. Immunol. 17:1821-1826	nooyto
(1987).  * Seed, B., "Making Agonists Of Antagonists", Chemistry & Biology, 1:125-129 (1994)	).
* Seed, B., "Making Agonists of Antagonists, Chemistry & Diology, 1125 125 (157)  * Shimojo, et al., "Identification of the Disease-Related T Cell Epitope of Ovalbumin ar	nd
Epitope-Targeted T Cell Inactivation in Egg Allergy" Int'l. Archives of Allergy & Immun	nol.
* Snow, R.J., et al., "Studies On Proline Boronic Acid Dipeptide Inhibitors Of Dipeptid	yl
Peptidase IV: Identification Of A Cyclic Species Containing A B-N Bond", J. Am. Che	em.
Soc., 116:10860-10869, (1994).	
* Songyang, Z., et al., "SH2 Domains Recognize Specific Phosphopeptide Sequences",	Cell,
72:767-778, (1993)	
* Subramanyam M et al. "CD26, AT-Cell Accessory Molecule Induction Of Antigen	i-
Specific Immune-Suppression By Inactivation OF CD26: A Clue To The Aids Paraxox	(?", in
Dipeptidyl Peptidase IV (CD26) in Metabolism and Immune Response, Ed. B. Fleischer	r: 155-
162 (1995)	
* Subramanyam, M., et al., "Mechanism Of Hiv-1 Tat Induced Inhibition Of Antigen-S	pecific
T Cell Responsiveness", J. Immunol., 150:2544-2553, (1993)	
Subramanyam, W.G., et al., "Mechanism of HIV-1 Tat Induced Inhibition Of Antigen-	
Specific T Cell Responsiveness", J. Immunol. 150:2544-2553 (1993).	

U.S. Department of Commerce Patent and Trademark Office

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### INFORMATION DISCLOSURE STATEMENT

Applicant: Bachovchin

Filing Date:

Groupte CH CENTER

(Use several sheets if necessary)	PATENT & TRANSPORT	April 9, 1999	1653 GROUPFECH CENTER 1
	"Solution Structures O coropro Determined By	f Active And Inactive Nmr Spectroscopy", E	Forms Of The DP IV Biochemistry, 33:12427-
* Tam, J.P., "Synthetic Density Multiple Antig	Peptide Vaccine Designation Peptide System",	m: Synthesis And Prop Proc. Natl. Acad. Sci.	peritiesOf A High- USA, 85:5409-5413,
(1988).  * Tanaka, T., et al. "Clo CD26", J. Immunol., 14	oning And Functional l	Expression Of The T C	ell Activation Antigen
* Tanaka, T., et al. "C. CD26", J. Immunol. 14	loning And Functional 19: 481-486 (1992); pu	blished erratum appear	
* Tanaka, T., et al., "T	tic Activity". Proc. Na	tl. Acad. Sci. USA, 90:2	gen Requires Dipeptidyl 4586-4590. (1993)
* Thompson, R., "Use Flastase" Riochemistr	Of Peptide Aldehydes v. <b>12</b> :1:47-51 (1973).	To Generate Transition	1-State Alialogs Of
1 220 225	/ `	\	Cysteine Proteases", 19:
with Autoimmune Pol	yglandular Syndrome (	APS) Type I. (J. Autor	ed by Sera From Patients mmunity 7 (3): 399-411
* Van Noort, et al., "T	he Small Heat-Shock File Sclerosis" Nature 37	<b>/5</b> (6534):798-801 (, 25	995).
* Watson, J.D., "Conti	inuous Proliferation Of	Murine Antigen Speci	inc Helper 1 Lymphocytes
* Welch, J.T., and Lin	J.,/Fluoroolefin Cont (CD26) <i>Tetrahedro</i>	aining Dipetide Isotere n. <b>52</b> :291-304, (1995)	•
* Wijdenes, et al., "M	ónoclonal Antibodies (	mAb) Against gp130 t stract.	mitating Cytokines which
* Wyss-Coray, T., et a To T Cells: Evidence	al., "Use Of Antibody/I For T Cells Processing	Peptides Constructs Officer And Presentation", C	
* Yoshimoto, T., et al	(1985) J. Biochem.,	<b>98</b> :975-979, (1985)	nal-Containing peptide
* Zhu, X., et al., "T C Artemisiifolia (Amb a	cell Epitope Mapping of a 5) and Ambrosia Triff	f Ragweed Pollen Aller ida (Amb t 5) and the F 155 (10):5064-5073 (1	995).
* Zimmerman, D.H.,	et al. "A New Approac	h To T-Cell Activation  Vaccine Res., 5:91-10	1: Natural And Synthetic 12, (1996).
Zimmerman, D.H., et Cell" Vaccine Res.	al., "Immunication Wi	th Peptide Heteroconju	agates Primes A T Helper

U.S. Department of Commerce Patent and Trademark Office Atty. Docket: 2002941-0053

In re Application No. 09/289,321

INFORMATION DISCLOSURE STATEMENT

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